CLAIMS

What is claimed is:

1. A method comprising:

receiving a multiple program transport stream;

filtering the multiple program transport steam to a single program transport stream based on a program selected by a user; and

providing the single program transport stream to a remote device over an Institute of Electrical and Electronics Engineers 1394 serial communication bus in accordance with Electronics Industries Associations standards 775A and 799.

2. The method of claim 1, further comprising:

determining the network topology of consumer electronic devices such that the program transport stream is directed to one or more specified consumer electronic devices.

3. The method of claim 1, further comprising:

directing a module that is not IEEE standard 775A compliant to access an application program interface such that the module transmits bitmap information to an IEEE standard 775A compliant remote device for display.

4. The method of claim 3, wherein the module is a Home Audio-Visual interoperability module that may exist locally or remotely.

5. The method of claim 1, further comprising:

tailoring program association information in accordance with Electronics Industries Association standard 775A; and

providing the tailored program association information to the remote device.

6. The method of claim 3, wherein the remote device is a digital television.

7. The method of claim 6, wherein the single program transport stream is a high definition video stream.

8.   The method of claim 7, wherein the single program transport stream is provided to the remote device as an isochronous stream.

9.   The method of claim 8, wherein the isochronous stream is copy-protected.

10.   The method of claim 5, wherein the single program transport stream is provided only to authenticated remote devices on the Institute of Electrical and Electronics Engineers 1394 serial communication bus.

11.   The method of claim 10, wherein authentication is implemented using an authentication protocol.

12.   A method comprising:
       receiving user interface information related to a remote device; and
       formatting the information for transmission over an Institute of Electrical and Electronics Engineers 1394 serial communication bus in accordance with Electronics Industries Associations standard 775A and 799.

13.   A device comprising:
       means for receiving a multiple program transport stream;
       means for filtering the multiple program transport steam to a single program
transport stream based on a program selected by a user; and
       means for providing the single program transport stream to a remote device over an Institute of Electrical and Electronics Engineers 1394 serial communication bus in accordance with Electronics Industries Associations standards 775A and 799.

14.   The device of claim 13, further comprising:
       means for determining the network topology of consumer electronic devices such that the program transport stream is directed to one or more specified consumer electronic devices.

15.   The device of claim 13, further comprising:

means for directing a module that is not IEEE standard 775A compliant to access an application program interface such that the module transmits bitmap information to an IEEE standard 775A compliant remote device for display.

16.   The device of claim 15, wherein the module is a Home Audio-Visual interoperability module that may exist locally or remotely.

17.   The device of claim 13, further comprising:

means for tailoring program association information in accordance with Electronics Industries Association standard 775A; and

means for providing the tailored program association information to the remote device.

18.   The device of claim 15, wherein the remote device is a digital television.

19.   The device of claim 18, wherein the single program transport stream is a high definition video stream.

20.   The device of claim 19, wherein the single program transport stream is provided to the remote device as an isochronous stream.

21.   The device of claim 20, wherein the isochronous stream is copy-protected.

22.   The device of claim 21, wherein the single program transport stream is provided only to authenticated remote devices on the Institute of Electrical and Electronics Engineers 1394 serial communication bus.

23.   The device of claim 22, wherein authentication is implemented using an authentication protocol.

24.   A machine-readable medium that provides executable instructions, which when executed by a processor, cause said processor to perform a method comprising:

receiving a multiple program transport stream;

filtering the multiple program transport steam to a single program transport stream based on a program selected by a user; and

providing the single program transport stream to a remote device over an Institute of Electrical and Electronics Engineers 1394 serial communication bus in accordance with Electronics Industries Associations standards 775A and 799.

25.   The machine-readable medium of claim 24, wherein the method further comprises:

determining the network topology of consumer electronic devices such that the program transport stream is directed to one or more specified consumer electronic devices.

26.   The machine-readable medium of claim 24, wherein the method further comprises:

directing a module that is not IEEE standard 775A compliant to access an application program interface such that the module transmits bitmap information to an IEEE standard 775A compliant remote device for display.

27.   The machine-readable medium of claim 26, wherein the module is a Home Audio-Visual interoperability module that may exist locally or remotely.

28.   The machine-readable medium of claim 24, wherein the method further comprises:

tailoring program association information in accordance with Electronics Industries Association standard 775A; and

providing the tailored program association information to the remote device.

29.   The machine-readable medium of claim 26, wherein the remote device is a digital television.

30.   The machine-readable medium of claim 29, wherein the single program transport stream is a high definition video stream.

31.   The machine-readable medium of claim 30, wherein the single program transport stream is provided to the remote device as an isochronous stream.

32.   The machine-readable medium of claim 31, wherein the isochronous stream is copy-protected.

33.   The machine-readable medium of claim 28, wherein the single program transport stream is provided only to authenticated remote devices on the Institute of Electrical and Electronics Engineers 1394 serial communication bus.

34.   The machine-readable medium of claim 33, wherein authentication is implemented using an authentication protocol.

35.   A machine-readable medium that provides executable instructions, which when executed by a processor, cause said processor to perform a method comprising:

receiving user interface information related to a remote device; and

formatting the information for transmission over an Institute of Electrical and Electronics Engineers 1394 serial communication bus in accordance with Electronics Industries Associations standard 775A and Electronics Industries Association standard 779.